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**PATENT**

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

Applicant: Thomas S. Laubner et al. :  
Serial No.: 09/966,221 : Art Unit: 2828  
Filed: September 28, 2001 : Examiner: Michael C. Wimer  
For: Microstrip Antenna With :  
Improved Low Angle Performance :

Mail Stop: Amendment  
Commissioner for Patents  
P. O. Box 1450  
Alexandria, VA 22313-1450

I hereby certify that this correspondence is being deposited with the United States Postal Service as first class mail addressed to Mail Stop: Amendment, Commissioner for Patents, P. O. Box 1450, Alexandria, VA 22313-1450 on May 23, 2007.

*Paula M. Capriglione*  
Paula M. Capriglione

**INFORMATION DISCLOSURE  
STATEMENT TRANSMITTAL LETTER**

Sir:

An Information Disclosure Statement is submitted herewith pursuant to 37 CFR §§1.97-1.98. Please note the following particulars:

[NOTE: One only of items a, b, c, and d must be checked.]

- ☐ a. The enclosed statement is being filed within three months of the filing date of a national application, or within three months of the date of entry into the national stage as set forth in 37 CFR §1.491 in an international application, or before the mailing date of a first Office Action on the merits, whichever event occurs last.
- ☐ b. The enclosed statement is being filed after a first Office Action on the merits but before the mailing date of a final Office Action under 37 CFR §1.113, or a notice of allowance under 37 CFR §1.311.

The enclosed statement is accompanied by [check one]

- ☐ i. a certification in part (e) below as specified in 37 CFR §1.97(e);

or

- ☐ ii. permission is hereby given to the Commissioner to charge Deposit Account No. 23-1950 in the amount of \$180 required by 37 CFR §1.17(p).

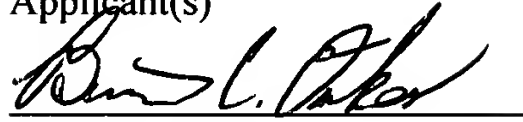
- ☒ c. The enclosed statement is being filed after the mailing date of a final action under 37 CFR §1.113, or a notice of allowance under 37 CFR §1.311, but before payment of the issue fee.

The enclosed statement is accompanied by

- ☒ i. a certification in part (e) below as specified in 37 CFR §1.97(e);
- and
- ☐ ii. permission is hereby given to the Commissioner to charge Deposit Account No. 23-1950 in the amount of \$180 required by 37 CFR §1.17(p).
- ☐ d. The enclosed statement is being filed pursuant to 37 CFR §1.97(i), for placement in the file.
- ☒ e. Certification[Check one] [Certification is required only if box (b)(i) or box (c) has been checked.]
- ☒ I hereby certify that each item of information contained in the enclosed Information Disclosure Statement was first cited in a communication from a foreign patent office in a counterpart foreign application not more than three months prior to the filing of this Information Disclosure Statement and copies of Foreign Patent documents are attached;
- or
- ☐ I hereby certify that no item of information in the enclosed Information Disclosure Statement herewith was cited in a communication from a foreign patent office in a counterpart foreign application, and, to my knowledge after making reasonable inquiry, no such item of information was known to any individual designated in 37 CFR §1.56(c) more than three months prior to the filing of this Information Disclosure Statement;
- or
- ☐ Other appropriate certification is attached.
- ☒ f. If a fee is due in connection with this communication the Commissioner is authorized to charge any fee or additional fee due in connection with this communication to Deposit Account No. 23-1950.
- ☒ g. Copies of foreign patent documents are enclosed herewith.

Respectfully submitted,

Thomas S. Laubner et al.  
Applicant(s)

A handwritten signature in black ink, appearing to read "Brian C. Oakes", written over a horizontal line.

Brian C. Oakes

Registration No. 41,467

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<b>Substitute for form 1449/PTO</b>  <b>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</b> (Use as many sheets as necessary)				<b>Complete if Known</b>	
				Application Number	09/966,221
				Filing Date	September 28, 2001
				First Named Inventor	Laubner
				Art Unit	2828
				Examiner Name	Michael C. Wimer
Sheet	1	of	1	Attorney Docket Number	17655

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. <sup>1</sup>	Document Number Number-Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passagees or Relevant Figures Appear
		US -			
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FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> - Number <sup>4</sup> - Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passagees or Relevant Figures Appear	T <sup>6</sup>
		JP3-110901	05-10-1991	Mitsubishi Electric Corp.		<input type="checkbox"/>
		JP10-247815A	09-14-1998	Koshio Tatsuyoshi; Goto Naohisa		<input type="checkbox"/>
		JP4-259102A	09-14-1992	Tokyo Shibaura Electric Co.		<input type="checkbox"/>
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Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

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